Quick Start Guide
Speco Technologies DVR-4TH/8TH/16TH

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READ THIS FIRST!

This document is intended to serve as a quick reference page for initial set-up. It is recommended that the user read the entire instruction manual before beginning. Basic programming can be accomplished by simply reading the appropriate instructions first, then scroll through the easy to operate “On Screen Display” and make changes.

Please note that the Accessory Kit and Shipping Box contain the following items:

- 1 – Quick Set-up Guide
- 1 – Digital Video Recorder
- 1 – User’s Manual
- 1 – CD-Rom (includes manuals, HDD storage calculator and player software)
- 1 – Power Cord
- 1 – IR Controller
- 2 – Rack mount ears

Preset Accounts (username, password):
Account 1: admin, 1234
Account 2: user, 4321
Use the same accounts to login local DVR and SpecoRemote™.

The following list represents features that most users will need to be familiar with. Please review the list and refer to the specific pages listed in the manual. Please read the appropriate section of the manual thoroughly and perform the function on the DVR before attempting to contact technical support.

Please note that numbers 1 & 2 MUST be performed before making your first reading.
Please refer to configuration section of User Manual.

1 Set Time/Date:

2 Format HDD

3 Schedule Recording

4 Motion Detect Recording

5 Optimize Record Time/ FPS settings

6 Network & Internet Setup

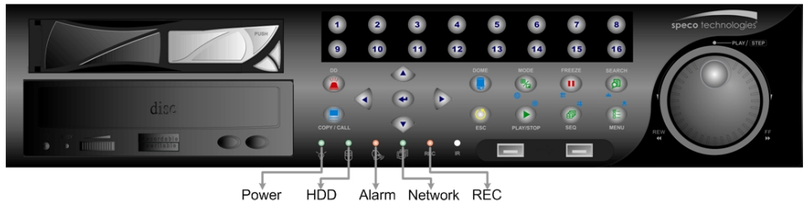
7 Playback

8 Video Backup

Do not block the fan on the unit – enough airflow is needed to protect the unit from over heating.

Front Panel & Functions

The unit’s front panel controls enable the user to control the unit and preset programmable functions.



LED Definition

The **DVR-4TH/8TH/16TH** Series LEDs on the front panel are described as follows:

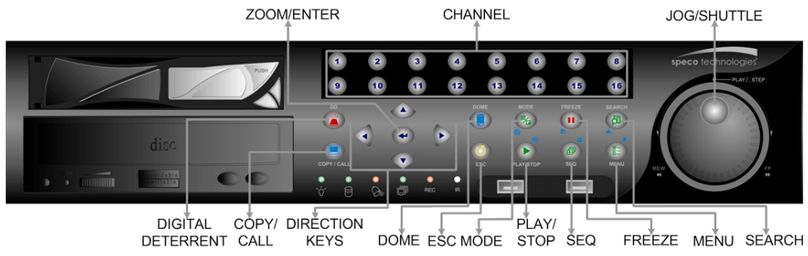
Power LED (Green)
The LED should be lit when the power is connected.

HDD LED (Green)
The LED should be lit while the HDD is processing data.

Alarm LED (Red)
The LED should be lit when an alarm is triggered.

Network LED (Green)
The LED should be lit when the **DVR-4TH/8TH/16TH** series unit is connected to a network and blink when any data is being transferred.

REC LED (Red)
The LED should blink while the **DVR-4TH/8TH/16TH** series unit is recording.



Function Keys

The **DVR-4TH/8TH/16TH** series unit function keys on the front panel are described to the right for normal operation.

JOG SHUTTLE: Operation instruction on back page.

D.D.
Users can trigger warning announcement at certain camera site by pressing the specific camera key and the digital deterrent key.

CALL/COPY
Press to enter Call Monitor Control mode. This is also used to quick export video to an external devices, including USB DVR+RW and ThumbDrive, etc.

Direction Keys
* In Zoom mode, these keys function as Direction Keys.
* In the OSD setup menu, the Direction keys are used to move the cursor to previous or next fields. To change the value in the selected field, press UP / DOWN keys.

DOME
Press this key to enter Dome Control mode.

ESC
Press to cancel or exit from certain mode or OSD setup menu without changing the settings.

MODE
Press repeatedly to select desired main monitor display format. There are four viewing modes available: full screen, 4-window (2×2), 9-window (3×3), and 16-window (4×4).

PLAY/STOP
Press this key to switch between live image and playback video.

FREEZE
- Press FREEZE while viewing live image, the live image will be frozen, but the date/ time information shown on the monitor will continue updating. The recording of the video will continue as well. Press FREEZE again to return to live mode.
- Press FREEZE while playing recorded video, the playback video will be paused. Press LEFT/ RIGHT to move the recorded video reverse/ forward by a single step. Press FREEZE again to continue playing video.

SEQ(Sequence)
Press to start automatic sequencing of the video coming in from the installed cameras.

SEARCH
In both Playback and Live mode, press SEARCH to access the Search menu to search and playback recorded video by date/ time, events, or text.

MENU
Press this key to access the OSD setup menu.

ZOOM/ENTER
- In OSD menu or selection interface, press this key to make selection or to save settings.
- In live full screen viewing mode, press to view a 2× zoom image. Press it again to return.

CHANNEL
- In both Live and Playback modes, press any CHANNEL key to view the corresponding video in full screen. The number of the CHANNEL keys corresponds to the number of cameras supported by the unit.
- In Dome Control mode, the key “1” is used to access the Set/ Go Preset menu while the key “2” is used to hide or display the dome camera setting parameters.

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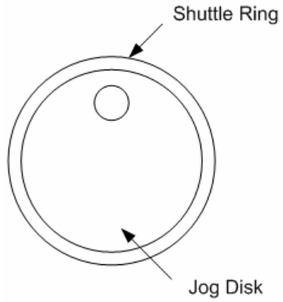
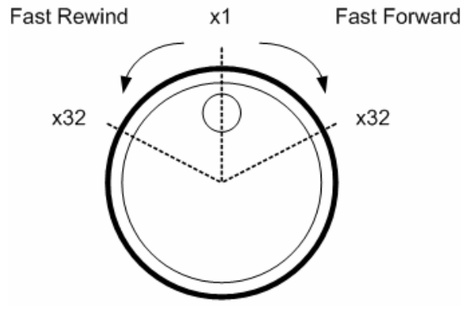
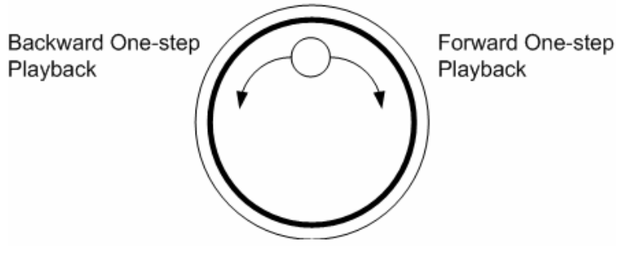
The jog/ shuttle knob, shown in the figure below, is a combination of a shuttle ring with an embedded jog disk, which is used to provide wide range in playback control. Note that the jog/ shuttle knob is active only when the DVR unit is in Playback mode.



While playing back video, you can use the shuttle ring to select different speeds of forward and backward playing. Rotating the shuttle ring causes the unit to playback in fast forward/ backward playing speed. According to the angle you rotate the shuttle ring, you can choose the playing speed from 1×, 2×, 4×, 8×, 16×, and 32×, in both forward and reverse directions, shown in the figure below:

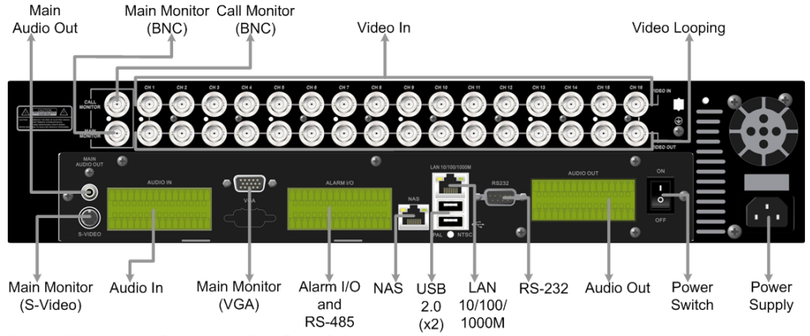


Inside the shuttle ring is the jog disk, shown in the illustration below, it can be turned completely in either direction. Once you freeze the video, you can use the jog disk to go to single-step play back. Clockwise rotation causes forward one-step playback; and counterclockwise rotation causes backward one-step playback. This is for JPEG recoding only.



Rear Panel Connections

There are several connectors on the rear panel of the **DVR-4TH/ 8TH/ 16TH** series unit available for installations. The following figure shows the connectors by name and a detailed description of each connector follows.



Main Monitor (S-Video/ BNC/ VGA)
S-Video, BNC, and VGA output connectors are available for connecting to a main monitor. The main monitor displays live image and playback recorded video in full-screen or multiple window format.

Call Monitor
The call monitor is used to display full screen video of all installed cameras in sequence. The BNC call monitor connector allows the user to connect an optional call monitor to the **DVR-4TH/ 8TH/ 16TH** series unit.

Video Input
A group of BNC connectors is provided for video input streams from installed cameras. The number of connectors equals to the number of channels. The **DVR-4TH/ 8TH/ 16TH** series unit has 4/ 8/ 16 BNC connectors on the rear panel, respectively.

Video Looping
The other group of BNC connectors positioned on the rear panel is for looping out video input.

RS-232C
The unit provides a RS-232C communication port for sending and receiving signals.

Alarm I/O & RS-485 Port
The unit provides Alarm I/O and RS-485 ports that offer users the flexibility required to connect the unit to other devices.

NAS
The **DVR-4TH/ 8TH/ 16TH** series unit can connect to a Network Attached Storage (NAS) device through this connector to increase storage space and allow vast recording.

Audio In
The **DVR-4TH/ 8TH/ 16TH** series unit provides 4/ 8/ 16 channels of audio recording accordingly. The Audio In connectors are offered for connecting audio source devices (e.g. external amplified microphone) to the unit. The PIN of upper row is for input of each channel while the lower row is for ground.

Main Audio Out
One RCA connector is provided for audio output of main monitor.

Audio Out
In addition to the RCA connector, the **DVR-4TH/ 8TH/ 16TH** series unit provides 4/ 8/ 16 channels of audio exporting accordingly. The Audio Out connectors are provided for connecting audio output devices (e.g. amplified speakers) to the unit. The PIN of upper row is for output of each channel while the lower row is for ground.

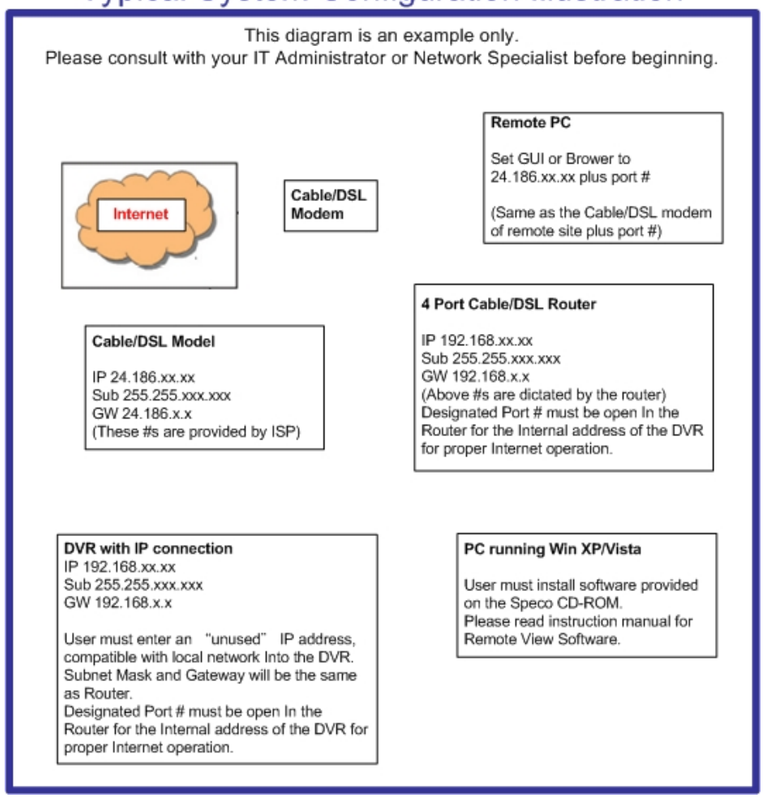
USB 2.0 (x4)
There are two USB 2.0 ports on the rear panel and two on the front panel to allow users to connect external USB devices to the unit, such as a ThumbDrive®, DVD+RW, or a USB mouse.

LAN (RJ45)
The **DVR-4TH/ 8TH/ 16TH** series unit is capable of networking. Once the unit is connected to the LAN network, the users can remotely access the unit through Speco**Remote**™ on a PC.

Power Switch
The power switch is used to power up or shut down the unit.

Power Supply
Connect the power supply cord shipped with the unit to the power supply jack to provide power to operate the **DVR-4TH/ 8TH/ 16TH** series unit.

Typical System Configuration Illustration


This diagram is an example only.
Please consult with your IT Administrator or Network Specialist before beginning.
Internet
Cable/DSL Modem
Remote PC
Set GUI or Brower to 24.186.xx.xx plus port #
(Same as the Cable/DSL modem of remote site plus port #)
Cable/DSL Model
IP 24.186.xx.xx
Sub 255.255.xxx.xxx
GW 24.186.x.x
(These #s are provided by ISP)
4 Port Cable/DSL Router
IP 192.168.xx.xx
Sub 255.255.xxx.xxx
GW 192.168.x.x
(Above #s are dictated by the router)
Designated Port # must be open In the Router for the Internal address of the DVR for proper Internet operation.
DVR with IP connection
IP 192.168.xx.xx
Sub 255.255.xxx.xxx
GW 192.168.x.x
User must enter an "unused" IP address, compatible with local network Into the DVR. Subnet Mask and Gateway will be the same as Router.
Designated Port # must be open In the Router for the Internal address of the DVR for proper Internet operation.
PC running Win XP/Vista
User must install software provided on the Speco CD-ROM.
Please read instruction manual for Remote View Software.